

# NORTH DAKOTA TRAFFIC TRENDS: 1996-2005



**MOTOR VEHICLE REGISTRATIONS**

**THOUSANDS OF VEHICLES:**

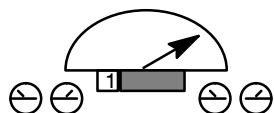
696	696	688	720	715	735	728	724	733	738
1996	1997	1998	1999	2000	2001	2002	2003	2004	2005



**LICENSED DRIVERS**

**THOUSANDS OF DRIVERS:**

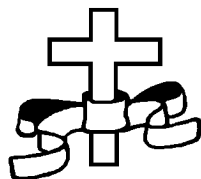
449.2	452.1	454.9	457.9	458.9	455.9	456.3	459.6	464.8	467.7
1996	1997	1998	1999	2000	2001	2002	2003	2004	2005



**VEHICLE MILES TRAVELED**

**BILLIONS OF MILES:**

6.77	6.89	7.09	7.10	7.06	7.09	7.09	7.29	7.44	7.44
1996	1997	1998	1999	2000	2001	2002	2003	2004	2005



**FATALITIES**

**NUMBER OF FATALITIES:**

85	105	92	119	86	105	97	105	100	123
1996	1997	1998	1999	2000	2001	2002	2003	2004	2005



**INJURIES**

**THOUSANDS OF INJURED:**

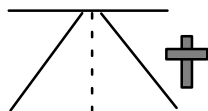
6.02	5.90	4.92	4.96	4.61	4.61	4.89	4.82	4.61	4.36
1996	1997	1998	1999	2000	2001	2002	2003	2004	2005



**CRASHES**

**THOUSANDS OF CRASHES:**

15.96	16.66	14.42	14.43	14.52	14.76	16.11	16.55	16.92	15.78
1996	1997	1998	1999	2000	2001	2002	2003	2004	2005



**MILEAGE FATALITY RATE**

**FATALITIES PER 100 MILLION VEHICLE MILES:**

1.26	1.53	1.29	1.64	1.18	1.47	1.37	1.44	1.34	1.65
1996	1997	1998	1999	2000	2001	2002	2003	2004	2005

## Types of North Dakota Traffic Crashes • 2005

First Harmful Event	All Crashes		Fatal Crashes		Injury Crashes		Property Damage Only Crashes	
	Number	% of Total	Number	% of Total	Number	% of Total	Number	% of Total
Animal	3,942	25.0	2	1.9	58	2.1	3,887	30.0
Bridge/Guardrail	201	1.2	1	1.0	46	1.7	155	1.2
Fire/Explosion	45	0.2	–	–	2	0.1	43	0.3
Fixed Object	895	6.0	8	7.6	202	7.4	690	5.3
Other Non-Collision	511	3.2	10	9.5	167	6.1	335	2.6
Other Obj./Not Fixed	73	0.4	–	–	4	0.2	69	0.5
Overturning	920	6.0	31	29.5	387	14.1	503	3.9
Parked Motor Veh.	1,045	6.6	3	2.9	49	1.8	993	7.7
Pedalcyclist	72	0.4	2	1.9	66	2.4	4	–
Pedestrian	74	0.4	6	5.7	62	2.2	6	–
Sign/Post	401	2.5	1	1.0	41	1.5	362	2.8
Struck Other MV	7,593	48.0	37	35.2	1,647	60.2	5,921	45.6
Train	16	0.1	4	3.8	4	0.2	8	0.1
<b>TOTAL CRASHES</b>	<b>15,788</b>	<b>100.0</b>	<b>105</b>	<b>100.0</b>	<b>2,735</b>	<b>100.0</b>	<b>12,976</b>	<b>100.0</b>

## Violations of All Drivers Involved in Traffic Crashes • 2005

Violation/ Circumstance	Citations In All Crashes			Citations In Fatal Crashes			Citations In Injury Crashes		
	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total
D.U.I.	282	276	558	–	10	10	107	158	265
Care Required	983	996	1,979	–	1	1	210	263	473
Careless Driving	44	67	111	–	1	1	12	31	43
Failed to Yield	1,170	215	1,385	–	2	2	271	67	338
Failed to Stop	460	36	496	–	–	–	135	12	147
Following	537	88	625	–	–	–	117	11	128
Improper Turning	310	39	349	–	–	–	34	11	45
Improper Backing	149	37	186	–	–	–	2	–	2
Overtaking	10	31	41	–	–	–	1	4	5
Wrong Way	13	7	20	–	–	–	3	4	7
Speeding	13	3	16	–	–	–	4	–	4
Defective Equipment	11	13	24	–	–	–	2	4	6
Illegal Parking	3	2	5	–	–	–	–	1	1
Open Container	1	–	1	–	–	–	1	–	1
Drivers License	84	28	112	–	–	–	23	15	38
Left Crash Scene	98	82	180	–	–	–	14	11	25
Other	853	245	1,098	–	2	2	179	70	249
None	8,876	3,359	12,235	14	102	116	1,978	694	2,672
<b>TOTALS</b>	<b>13,897</b>	<b>5,524</b>	<b>19,421</b>	<b>14</b>	<b>118</b>	<b>132</b>	<b>3,093</b>	<b>1,356</b>	<b>4,449</b>

## Driver Involvement by Age • 2005

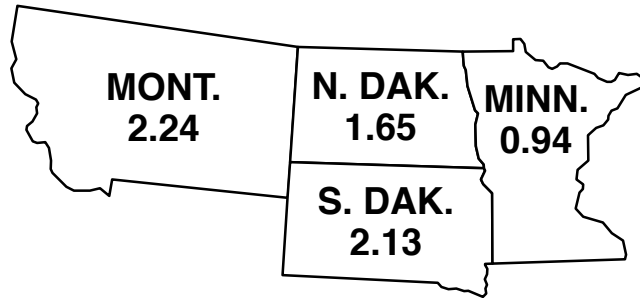
Age	Licensed Drivers		Involved in All Crashes		Involved in Fatal Crashes		Involved in Injury Crashes	
	Number	% of Total	Number	% of Total	Number	% of Total	Number	% of Total
13 and under	–	–	19	0.1	1	0.8	9	0.2
14-17	17,582	3.8	2,187	9.4	6	4.5	449	10.1
18-20	26,112	5.6	2,883	12.4	13	9.8	606	13.6
21-24	39,021	8.3	2,755	11.9	18	13.7	581	13.1
25-34	74,156	15.9	3,676	15.8	20	15.2	702	15.8
35-44	76,350	16.3	3,479	15.0	17	12.9	692	15.5
45-54	92,232	19.7	3,379	14.6	27	20.5	593	13.3
55-64	63,371	13.6	2,117	9.1	11	8.3	360	8.1
65-74	40,867	8.7	1,150	5.0	6	4.5	216	4.9
75 and older	38,012	8.1	984	4.2	13	9.8	182	4.1
Unknown	–	–	569	2.5	–	–	59	1.3
TOTAL	467,703	100.0	23,198	100.0	132	100.0	4,449	100.0

## Age and Sex of Fatalities and Persons Injured • 2005

Age	Total Fatalities		Pedestrian Fatalities		Pedalcyclist Fatalities		Total Injuries		Pedestrian Injuries		Pedalcyclist Injuries	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
0-4	3	–	–	–	1	–	38	32	3	2	–	–
5-9	4	–	–	–	1	–	51	43	3	1	9	4
10-13	–	1	–	–	–	–	42	52	4	3	6	3
14-17	2	5	–	–	–	–	237	302	7	6	11	3
18-20	9	3	1	–	–	–	302	288	4	1	8	–
21-24	8	4	–	–	–	–	266	270	3	1	4	7
25-34	12	5	–	–	–	–	342	311	6	4	9	1
35-44	7	6	1	1	–	–	289	293	8	3	9	4
45-54	20	4	1	1	–	–	255	228	4	3	4	1
55-64	7	2	1	–	–	–	138	144	2	1	1	–
65-74	6	1	2	–	–	–	83	101	2	–	1	–
75 & older	11	3	1	–	–	–	77	96	–	3	–	–
Unknown	–	–	–	–	–	–	38	42	–	–	2	–
TOTAL	89	34	7	2	2	0	2,158	2,202	46	28	64	23

## 2005 Traffic Crash Fatality Rate Estimates\*

### How Do We Compare?



**NATIONAL 1.47**

Rate is based on deaths per 100 million vehicle miles traveled. Preliminary estimates as of April 2006.

### 2005 Facts and Figures for North Dakota

123 persons were killed and 4,360 were injured in motor vehicle traffic crashes.

5% of all licensed drivers in North Dakota were involved in a traffic crash.



A reportable crash occurred every 33 minutes.

One person was injured every 2 hours.

One person was killed every 2.9 days.

The ratio of injured to killed was 4,360 to 123 or 35 to 1.

25% of all fatalities were between the ages of 14 and 24.

80% of all fatalities were male.

68% of the fatal crashes involved a single motor vehicle.

33% of the fatal crashes occurred on Saturday and Sunday.

52% of the fatal crashes occurred during daylight hours.

81% of the fatal crashes occurred on dry surface with clear/cloudy weather conditions.

21% of all drivers involved in fatal crashes were under 25 years of age.

54% of the vehicles involved in crashes were passenger cars.

The total number of registered motorcycles in 2005 was 24,994 compared to 22,957 in 2004.

Of the 221 motorcycles involved in crashes, 9 were involved in fatal crashes and 176 were involved in injury crashes.

Of the 90 pedalcycles involved in crashes, 2 were involved in fatal crashes and 82 were involved in injury crashes.

Of the 55 school buses involved in crashes, none were involved in a fatal crash and 10 were involved in injury crashes.

26 emergency vehicles were involved in crashes; none were involved in a fatal crash and 8 were involved in injury crashes.

7.3% of the traffic fatalities were pedestrians.

47 of the 123 fatalities were alcohol related (38%).

Only 15.2% of fatal crash victims traveling in pickup trucks were wearing seat belts.

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*Throughout this publication, traffic crashes are those which must, according to state law, be reported. This includes all motor vehicle crashes resulting in death, personal injury, or property damage in excess of \$1,000.*

# When North Dakota Fatal Traffic Crashes Occurred • 2005

Fatal Crashes & Fatalities by Day		
Day of Week	No. of Crashes	No. Killed
Sunday	18	20
Monday	12	15
Tuesday	11	16
Wednesday	7	8
Thursday	23	27
Friday	17	19
Saturday	17	18
<b>TOTALS</b>	<b>105</b>	<b>123</b>

Fatal Crashes & Fatalities by Month		
Month	No. of Crashes	No. Killed
January	4	5
February	7	7
March	9	9
April	7	7
May	6	6
June	18	25
July	13	14
August	5	5
September	8	9
October	13	16
November	5	9
December	10	11
<b>TOTALS</b>	<b>105</b>	<b>123</b>

Fatal Crashes & Fatalities by Time		
Time of Day	Number of Crashes	Number Killed
12:00-12:59 am	6	9
1:00-1:59 am	10	11
2:00-2:59 am	3	3
3:00-3:59 am	1	1
4:00-4:59 am	4	4
5:00-5:59 am	3	3
6:00-6:59 am	1	3
7:00-7:59 am	6	10
8:00-8:59 am	4	5
9:00-9:59 am	3	3
10:00-10:59 am	4	4
11:00-11:59 am	7	8
12:00-12:59 pm	6	6
1:00-1:59 pm	5	6
2:00-2:59 pm	3	3
3:00-3:59 pm	4	4
4:00-4:59 pm	7	9
5:00-5:59 pm	5	7
6:00-6:59 pm	5	6
7:00-7:59 pm	6	6
8:00-8:59 pm	3	3
9:00-9:59 pm	3	3
10:00-10:59 pm	4	4
11:00-11:59 pm	2	2
Unknown	–	–
<b>TOTALS</b>	<b>105</b>	<b>123</b>

## Restraint System – Use by Body Type • 2002-2005

	2002		2003	
	Fatalities	% Restrained	Fatalities	% Restrained
Auto	40	32.5	38	26.3
SUV	12	50.0	7	28.6
Van	7	14.3	5	40.0
Pickup	26	3.8	27	3.7
<b>ALL*</b>	<b>85</b>	<b>24.7</b>	<b>77</b>	<b>19.5</b>

	2004		2005	
	Fatalities	% Restrained	Fatalities	% Restrained
Auto	36	41.7	40	37.5
SUV	13	30.8	12	8.3
Van	4	25.0	7	14.3
Pickup	26	7.7	33	15.2
<b>ALL*</b>	<b>79</b>	<b>27.8</b>	<b>92</b>	<b>23.9</b>

\* Auto, SUV, Van, and Pickup Truck (All other vehicle types excluded.)

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